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Sequence Listing was accepted.

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Timestamp: [year=2008; month=7; day=28; hr=14; min=12; sec=5; ms=383;]

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Application No: 10530539

Version No: 3.0
2.0

Input Set:

Output Set:

Started: 2008-07-25 21:57:14.940

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Elapsed: 0 hr(s) 0 min(s) 0 sec(s) 734 ms

Total Warnings: 6

Total Errors: 0

No. of SeqIDs Defined: 6

Actual SeqID Count: 6

Error code	Error Description
W 213	Artificial or Unknown found in <213> in SEQ ID (1)
W 213	Artificial or Unknown found in <213> in SEQ ID (2)
W 213	Artificial or Unknown found in <213> in SEQ ID (3)
W 213	Artificial or Unknown found in <213> in SEQ ID (4)
W 213	Artificial or Unknown found in <213> in SEQ ID (5)
W 213	Artificial or Unknown found in <213> in SEQ ID (6)

SEQUENCE LISTING

<110> ONO, ETSURO
UEDE, TOSHIMITSU

<120> METHOD FOR PRODUCING A MAMMAL PROVIDED WITH RESISTANCE
TO AN ALPHA-HERPES VIRUS MEDIATED INFECTION AND MAMMAL
OBTAINED BY IMPLEMENTING SAID METHOD AND SAID MAMMAL'S
PROGENY

<130> 86076.0071

<140> 10530539

<141> 2005-09-19

<150> PCT/FR03/03024

<151> 2003-10-14

<150> FR 0212775

<151> 2002-10-15

<160> 6

<170> PatentIn Ver. 3.3

<210> 1

<211> 440

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
protein sequence

<400> 1

Met Glu Pro Leu Pro Gly Trp Gly Ser Ala Pro Trp Ser Gln Ala Pro
1 5 10 15

Thr Asp Asn Thr Phe Arg Leu Val Pro Cys Val Phe Leu Leu Asn Leu
20 25 30

Leu Gln Arg Ile Ser Ala Gln Pro Ser Cys Arg Gln Glu Glu Phe Leu
35 40 45

Val Gly Asp Glu Cys Cys Pro Met Cys Asn Pro Gly Tyr His Val Lys
50 55 60

Gln Val Cys Ser Glu His Thr Gly Thr Val Cys Ala Pro Cys Pro Pro
65 70 75 80

Gln Thr Tyr Thr Ala His Ala Asn Gly Leu Ser Lys Cys Leu Pro Cys
85 90 95

Gly Val Cys Asp Pro Asp Met Gly Leu Leu Thr Trp Gln Glu Cys Ser
100 105 110

Ser Trp Lys Asp Thr Val Cys Arg Cys Ile Pro Gly Tyr Phe Cys Glu
 115 120 125

Asn Gln Asp Gly Ser His Cys Ser Thr Cys Leu Gln His Thr Thr Cys
 130 135 140

Pro Pro Gly Gln Arg Val Glu Lys Arg Gly Thr His Asp Gln Asp Thr
 145 150 155 160

Val Cys Ala Asp Cys Leu Thr Gly Thr Phe Ser Leu Gly Gly Thr Gln
 165 170 175

Glu Glu Cys Leu Pro Trp Thr Asn Cys Ser Ala Phe Gln Gln Glu Val
 180 185 190

Arg Arg Gly Thr Asn Ser Thr Asp Thr Thr Cys Ser Ser Asp Pro Glu
 195 200 205

Glu Pro Lys Ser Cys Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala
 210 215 220

Pro Glu Leu Leu Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro
 225 230 235 240

Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val
 245 250 255

Val Asp Val Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val
 260 265 270

Asp Gly Val Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln
 275 280 285

Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His Gln
 290 295 300

Asp Trp Leu Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala
 305 310 315 320

Leu Pro Ala Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro
 325 330 335

Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu Leu Thr
 340 345 350

Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser
 355 360 365

Asp Ile Ala Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr
 370 375 380

Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr
 385 390 395 400

Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe
 405 410 415

Ser Cys Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys
420 425 430

Ser Leu Ser Leu Ser Pro Gly Lys
435 440

<210> 2

<211> 581

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
protein sequence

<400> 2

Met Ala Arg Met Gly Leu Ala Gly Ala Ala Gly Arg Trp Trp Gly Leu
1 5 10 15

Ala Leu Gly Leu Thr Ala Phe Phe Leu Pro Gly Ala His Thr Gln Val
20 25 30

Val Gln Val Asn Asp Ser Met Tyr Gly Phe Ile Gly Thr Asp Val Val
35 40 45

Leu His Cys Ser Phe Ala Asn Pro Leu Pro Gly Val Lys Ile Thr Gln
50 55 60

Val Thr Trp Gln Lys Ala Thr Asn Gly Ser Lys Gln Asn Val Ala Ile
65 70 75 80

Tyr Asn Pro Ala Met Gly Val Ser Val Leu Ala Pro Tyr Arg Glu Arg
85 90 95

Val Glu Phe Leu Arg Pro Ser Phe Thr Asp Gly Thr Ile Arg Leu Ser
100 105 110

Arg Leu Glu Leu Glu Asp Glu Gly Val Tyr Ile Cys Glu Phe Ala Thr
115 120 125

Phe Pro Ala Gly Asn Arg Glu Ser Gln Leu Asn Leu Thr Val Met Ala
130 135 140

Lys Pro Thr Asn Trp Ile Glu Gly Thr Gln Ala Val Leu Arg Ala Lys
145 150 155 160

Lys Gly Lys Asp Asp Lys Val Leu Val Ala Thr Cys Thr Ser Ala Asn
165 170 175

Gly Lys Pro Pro Ser Val Val Ser Trp Glu Thr His Leu Lys Gly Glu
180 185 190

Ala Glu Tyr Gln Glu Ile Arg Asn Pro Asn Gly Thr Val Thr Val Ile
195 200 205

Ser Arg Tyr Arg Leu Val Pro Ser Arg Glu Asp His Arg Gln Ser Leu

210	215	220
Ala Cys Ile Val Asn Tyr His Met Asp Arg Phe Arg Glu Ser Leu Thr		
225	230	235 240
Leu Asn Val Gln Tyr Glu Pro Glu Val Thr Ile Glu Gly Phe Asp Gly		
	245	250 255
Asn Trp Tyr Leu Gln Arg Met Asp Val Lys Leu Thr Cys Lys Ala Asp		
	260	265 270
Ala Asn Pro Pro Ala Thr Glu Tyr His Trp Thr Thr Leu Asn Gly Ser		
	275	280 285
Leu Pro Lys Gly Val Glu Ala Gln Asn Arg Thr Leu Phe Phe Arg Gly		
	290	295 300
Pro Ile Asn Tyr Ser Met Ala Gly Thr Tyr Ile Cys Glu Ala Thr Asn		
305	310	315 320
Pro Ile Gly Thr Arg Ser Gly Gln Val Glu Val Asn Ile Thr Glu Phe		
	325	330 335
Pro Tyr Thr Pro Ser Pro Pro Glu His Ala Asp Pro Glu Glu Pro Lys		
	340	345 350
Ser Cys Asp Lys Thr His Thr Cys Pro Pro Cys Pro Ala Pro Glu Leu		
	355	360 365
Leu Gly Gly Pro Ser Val Phe Leu Phe Pro Pro Lys Pro Lys Asp Thr		
	370	375 380
Leu Met Ile Ser Arg Thr Pro Glu Val Thr Cys Val Val Val Asp Val		
385	390	395 400
Ser His Glu Asp Pro Glu Val Lys Phe Asn Trp Tyr Val Asp Gly Val		
	405	410 415
Glu Val His Asn Ala Lys Thr Lys Pro Arg Glu Glu Gln Tyr Asn Ser		
	420	425 430
Thr Tyr Arg Val Val Ser Val Leu Thr Val Leu His Gln Asp Trp Leu		
	435	440 445
Asn Gly Lys Glu Tyr Lys Cys Lys Val Ser Asn Lys Ala Leu Pro Ala		
	450	455 460
Pro Ile Glu Lys Thr Ile Ser Lys Ala Lys Gly Gln Pro Arg Glu Pro		
465	470	475 480
Gln Val Tyr Thr Leu Pro Pro Ser Arg Asp Glu Leu Thr Lys Asn Gln		
	485	490 495
Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile Ala		
	500	505 510
Val Glu Trp Glu Ser Asn Gly Gln Pro Glu Asn Asn Tyr Lys Thr Thr		

515

520

525

Pro Pro Val Leu Asp Ser Asp Gly Ser Phe Phe Leu Tyr Ser Lys Leu
 530 535 540

Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Val Phe Ser Cys Ser
 545 550 555 560

Val Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu Ser
 565 570 575

Leu Ser Pro Gly Lys
 580

<210> 3

<211> 376

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
 protein sequence

<400> 3

Met Ala Arg Met Gly Leu Ala Gly Ala Ala Gly Arg Trp Trp Gly Leu
 1 5 10 15

Ala Leu Gly Leu Thr Ala Phe Phe Leu Pro Gly Ala His Thr Gln Val
 20 25 30

Val Gln Val Asn Asp Ser Met Tyr Gly Phe Ile Gly Thr Asp Val Val
 35 40 45

Leu His Cys Ser Phe Ala Asn Pro Leu Pro Gly Val Lys Ile Thr Gln
 50 55 60

Val Thr Trp Gln Lys Ala Thr Asn Gly Ser Lys Gln Asn Val Ala Ile
 65 70 75 80

Tyr Asn Pro Ala Met Gly Val Ser Val Leu Ala Pro Tyr Arg Glu Arg
 85 90 95

Val Glu Phe Leu Arg Pro Ser Phe Thr Asp Gly Thr Ile Arg Leu Ser
 100 105 110

Arg Leu Glu Leu Glu Asp Glu Gly Val Tyr Ile Cys Glu Phe Ala Thr
 115 120 125

Phe Pro Ala Gly Asn Arg Glu Ser Gln Leu Asn Leu Thr Val Met Gly
 130 135 140

Ser Val Gly Ile His Gln Pro Gln Thr Cys Pro Ile Cys Pro Gly Cys
 145 150 155 160

Glu Val Ala Gly Pro Ser Val Phe Ile Phe Pro Pro Lys Pro Lys Asp
 165 170 175

Thr Leu Met Ile Ser Gln Thr Pro Glu Val Thr Cys Val Val Val Asp
 180 185 190

Val Ser Lys Glu His Ala Glu Val Gln Phe Ser Trp Tyr Val Asp Gly
 195 200 205

Val Glu Val His Thr Ala Glu Thr Arg Pro Lys Glu Glu Gln Phe Asn
 210 215 220

Ser Thr Tyr Arg Val Val Ser Val Leu Pro Ile Gln His Gln Asp Trp
 225 230 235 240

Leu Lys Gly Lys Glu Phe Lys Cys Lys Val Asn Asn Val Asp Leu Pro
 245 250 255

Ala Pro Ile Thr Arg Thr Ile Ser Lys Ala Ile Gly Gln Ser Arg Glu
 260 265 270

Pro Gln Val Tyr Thr Leu Pro Pro Pro Ala Glu Glu Leu Ser Arg Ser
 275 280 285

Lys Val Thr Leu Thr Cys Leu Val Ile Gly Phe Tyr Pro Pro Asp Ile
 290 295 300

His Val Glu Trp Lys Ser Asn Gly Gln Pro Glu Pro Glu Asn Thr Tyr
 305 310 315 320

Arg Thr Thr Pro Pro Gln Gln Asp Val Asp Gly Thr Phe Phe Leu Tyr
 325 330 335

Ser Lys Leu Ala Val Asp Lys Ala Arg Trp Asp His Gly Asp Lys Phe
 340 345 350

Glu Cys Ala Val Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys
 355 360 365

Ser Ile Ser Lys Thr Gln Gly Lys
 370 375

<210> 4

<211> 578

<212> PRT

<213> Artificial Sequence

<220>

<223> Description of Artificial Sequence: Synthetic
 protein sequence

<400> 4

Met Ala Arg Met Gly Leu Ala Gly Ala Ala Gly Arg Trp Trp Gly Leu
 1 5 10 15

Ala Leu Gly Leu Thr Ala Phe Phe Leu Pro Gly Ala His Thr Gln Val
 20 25 30

Val	Gln	Val	Asn	Asp	Ser	Met	Tyr	Gly	Phe	Ile	Gly	Thr	Asp	Val	Val	35	40	45	
Leu	His	Cys	Ser	Phe	Ala	Asn	Pro	Leu	Pro	Gly	Val	Lys	Ile	Thr	Gln	50	55	60	
Val	Thr	Trp	Gln	Lys	Ala	Thr	Asn	Gly	Ser	Lys	Gln	Asn	Val	Ala	Ile	65	70	75	80
Tyr	Asn	Pro	Ala	Met	Gly	Val	Ser	Val	Leu	Ala	Pro	Tyr	Arg	Glu	Arg	85	90	95	
Val	Glu	Phe	Leu	Arg	Pro	Ser	Phe	Thr	Asp	Gly	Thr	Ile	Arg	Leu	Ser	100	105	110	
Arg	Leu	Glu	Leu	Glu	Asp	Glu	Gly	Val	Tyr	Ile	Cys	Glu	Phe	Ala	Thr	115	120	125	
Phe	Pro	Ala	Gly	Asn	Arg	Glu	Ser	Gln	Leu	Asn	Leu	Thr	Val	Met	Ala	130	135	140	
Lys	Pro	Thr	Asn	Trp	Ile	Glu	Gly	Thr	Gln	Ala	Val	Leu	Arg	Ala	Lys	145	150	155	160
Lys	Gly	Lys	Asp	Asp	Lys	Val	Leu	Val	Ala	Thr	Cys	Thr	Ser	Ala	Asn	165	170	175	
Gly	Lys	Pro	Pro	Ser	Val	Val	Ser	Trp	Glu	Thr	His	Leu	Lys	Gly	Glu	180	185	190	
Ala	Glu	Tyr	Gln	Glu	Ile	Arg	Asn	Pro	Asn	Gly	Thr	Val	Thr	Val	Ile	195	200	205	
Ser	Arg	Tyr	Arg	Leu	Val	Pro	Ser	Arg	Glu	Asp	His	Arg	Gln	Ser	Leu	210	215	220	
Ala	Cys	Ile	Val	Asn	Tyr	His	Met	Asp	Arg	Phe	Arg	Glu	Ser	Leu	Thr	225	230	235	240
Leu	Asn	Val	Gln	Tyr	Glu	Pro	Glu	Val	Thr	Ile	Glu	Gly	Phe	Asp	Gly	245	250	255	
Asn	Trp	Tyr	Leu	Gln	Arg	Met	Asp	Val	Lys	Leu	Thr	Cys	Lys	Ala	Asp	260	265	270	
Ala	Asn	Pro	Pro	Ala	Thr	Glu	Tyr	His	Trp	Thr	Thr	Leu	Asn	Gly	Ser	275	280	285	
Leu	Pro	Lys	Gly	Val	Glu	Ala	Gln	Asn	Arg	Thr	Leu	Phe	Phe	Arg	Gly	290	295	300	
Pro	Ile	Asn	Tyr	Ser	Met	Ala	Gly	Thr	Tyr	Ile	Cys	Glu	Ala	Thr	Asn	305	310	315	320
Pro	Ile	Gly	Thr	Arg	Ser	Gly	Gln	Val	Glu	Val	Asn	Ile	Thr	Glu	Phe	325	330	335	

Pro Tyr Thr Pro Ser Pro Pro Glu His Gly Ser Val Gly Ile His Gln
 340 345 350
 Pro Gln Thr Cys Pro Ile Cys Pro Gly Cys Glu Val Ala Gly Pro Ser
 355 360 365
 Val Phe Ile Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Gln
 370 375 380
 Thr Pro Glu Val Thr Cys Val Val Val Asp Val Ser Lys Glu His Ala
 385 390 395 400
 Glu Val Gln Phe Ser Trp Tyr Val Asp Gly Val Glu Val His Thr Ala
 405 410 415
 Glu Thr Arg Pro Lys Glu Glu Gln Phe Asn Ser Thr Tyr Arg Val Val
 420 425 430
 Ser Val Leu Pro Ile Gln His Gln Asp Trp Leu Lys Gly Lys Glu Phe
 435 440 445
 Lys Cys Lys Val Asn Asn Val Asp Leu Pro Ala Pro Ile Thr Arg Thr
 450 455 460
 Ile Ser Lys Ala Ile Gly Gln Ser Arg Glu Pro Gln Val Tyr Thr Leu
 465 470 475 480
 Pro Pro Pro Ala Glu Glu Leu Ser Arg Ser Lys Val Thr Leu Thr Cys
 485 490 495
 Leu Val Ile Gly Phe Tyr Pro Pro Asp Ile His Val Glu Trp Lys Ser
 500 505 510
 Asn Gly Gln Pro Glu Pro Glu Asn Thr Tyr Arg Thr Thr Pro Pro Gln
 515 520 525
 Gln Asp Val Asp Gly Thr Phe Phe Leu Tyr Ser Lys Leu Ala Val Asp
 530 535 540
 Lys Ala Arg Trp Asp His Gly Asp Lys Phe Glu Cys Ala Val Met His
 545 550 555 560
 Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Ile Ser Lys Thr Gln
 565 570 575

Gly Lys

<210> 5

<211> 27

<212> DNA

<213> Artificial Sequence